Name:

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Geometry, Period

Due Date: Thu, 19 Feb 2015

**Geometry**

**Homework**



***Failure to show all work will result in LaSalle. (Always… even if this isn’t written on the homework.)***

* What does SOHCAHTOA stand for?
* What do the Sine & Cosine ratios have in common that Tangent does not use?

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| 1. Find each trigonometric ratio for the given right triangle.   A  sin A = \_\_\_\_\_\_  cos A = \_\_\_\_\_\_  B  C  tan A = \_\_\_\_\_\_ | | 1. Find each trigonometric ratio for the given right triangle.   ɵ  sin = \_\_\_\_\_\_  **13**  **12**  cos = \_\_\_\_\_\_  **5**  tan = \_\_\_\_\_\_ | |
| 1. An angle in a right triangle has a measure. If **tan =**, then sin= ? | | 1. You are at the top of a roller coaster 100 feet above the ground. The angle of depression is 44°. About how far do you ride down the hill? | |
| 1. In the figure below, ABC is a right triangle with a right angle at C. Which of the statements about this figure can NOT be correct?   A   1. sin A = 2. cos A = 3. tan A =   B  C   1. cos B = 2. tan B = | | 1. You walk from one corner of a basketball court to the opposite corner. Write and solve a proportion using a trigonometric ratio to approximate the distance of the walk. | |
| 7) | | a. What is the sine of M?  b. What is the cosine of F?  c. What is the sine of A?  d. What is the cosine of Q? | | e. What is the sine of Q?  f. What is the cosine of A?  g. What is the tangent of Q?  h. What is the tangent of A? | |

**Spiraled Review ~ show all work or explain your answer**

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| 1. Write an equation of a line passing through point   (–1, 3) and parallel to .  A)  B)  C)  D)  E) None of the above | 1. What is the equation of the line perpendicular to 2x + y = – 1 and passing through the point (4, 3)?   **A**. y = x + 5  **B**. y = 2x - 5  **C**. y = -2x + 11  **D. y =** **x + 1** |
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